

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-412. (Cancelled).

413. (Currently amended) A method, comprising:  
administering, through a skin of a patient in need thereof, an ~~uncured~~ partially  
polymerized, flowable polyurethane bone scaffold composition in or near a bone defect;  
manipulating said bone scaffold composition *in situ* using external pressure applied to the  
skin of the patient; and thereafter,  
allowing said bone scaffold composition to become fully cured *in situ*.

414. (Previously Presented) A method according to claim 413, wherein the bone  
scaffold composition is a castor-oil based polyurethane composition.

415. (Previously Presented) A method according to claim 414, wherein the castor-oil  
based polyurethane composition comprises at least one filler material.

416. (Currently amended) A method according to claim 415, wherein the at least one  
filler material is chosen from calcium carbonate, bone, calcium phosphate, calcium  
pyrophosphate, hydroxyapatite, ~~poly-methyl-methacrylate, glass-ionomer, poly-ether-ether~~  
~~ketone, calcium sulfate, barium sulfate,~~ and tricalcium phosphate.

417. – 419. (Cancelled).

420. **(New)** The method according to claim 413, wherein the bone scaffold composition is a liquid.

421. **(New)** The method according to claim 413, wherein the bone scaffold composition is osteoconductive.

422. **(New)** The method according to claim 413, wherein the bone scaffold composition is osteoinductive.